

51. The capacitor of claim 50 wherein the case, the cover, and the conductor are welded to each other.

52. The capacitor of claim 50 wherein the case, the cover, and the conductor are welded to each other during an uninterrupted welding process.

53. The capacitor of claim 50 further comprising a capacitive stack including the capacitive element positioned in the case.

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54. The capacitor of claim 50 further comprising a terminal wire connected to the case in an end-on fashion.

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55. A method of assembling a capacitor comprising:
providing a conductor connected to a capacitor stack; and
positioning the conductor between a first portion and a second portion of a capacitor case;
forming a mechanical and electrical connection between the conductor and the case.

56. The method of claim 55 further comprising trimming off a portion of the conductor extending outside of the case.

57. The method of claim 55 wherein forming a mechanical and electrical connection further comprises welding the conductor, the first portion, and the second portion to each other.

58. * The method of claim 57 wherein welding the conductor, the first portion, and the second portion comprises using an uninterrupted welding process.